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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/809,688	
	Filing Date	March 26, 2004	
	First Named Inventor	Katsuhiko YANAGIHARA	
	Group Art Unit	1637	
	Examiner Name	Joyce TUNG	
Total Number of Pages in This Submission	3	Attorney Docket Number	31978-201641

ENCLOSURES (check all that apply)				
<input checked="" type="checkbox"/> Fee Transmittal Form (No Fee) <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Response to Restriction Requirement <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts Under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> First Status Inquiry <input type="checkbox"/> Other Enclosure(s) (please identify below):		
<table border="1"><tr><td>Remarks</td><td></td></tr></table>			Remarks	
Remarks				

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Nancy J. Axelrod, Reg. No. 44,014	26694 PATENT TRADEMARK OFFICE
Signature		
Date	July 20, 2006	

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450b on this date: <input type="text"/>			
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Signature		Date	

VENABLE
ATTORNEYS AT LAW

SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, 22313-1450.

#770108



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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2006 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Complete if Known		
		Application Number	10/809,688	
		Filing Date	March 26, 2004	
		First Named Inventor	Katsuhiko YANAGIHARA	
		Examiner Name	Joyce TUNG	
TOTAL AMOUNT OF PAYMENT (\$)		0.00	Art Unit	1637
			Attorney Docket No.	31978-201641

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) _____

☒ Deposit Account Deposit Account Number: 22-0261 Deposit Account Name: Venable LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims _____ **Extra Claims** _____ **Fee (\$)** _____ **Fee Paid (\$)** _____

_____ - 20 = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims _____ **Extra Claims** _____ **Fee (\$)** _____ **Fee Paid (\$)** _____

_____ - 3 = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	_____	_____ / 50 (round up to a whole number) x _____	_____	_____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): _____

SUBMITTED BY			
Signature	<u>Nancy J. Axelrod</u>	Registration No. (Attorney/Agent)	44,014
Name (Print/Type)	Nancy J. Axelrod	Telephone	(202) 344-4000
		Date	July 20, 2006



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Katsuhiko YANAGIHARA *et al.*

Application No.: 10/809,688

Filed: March 26, 2004

For: DETECTION OF NUCLEIC ACID
SEQUENCE VARIATIONS USING
PHAGE MU TRANSPOSASE

Confirmation No.: 8599

Art Unit: 1637

Examiner: Joyce TUNG

Atty. Docket No. 31978-201641

Customer No.:
26694
PATENT TRADEMARK OFFICE

RESPONSE TO RESTRICTION REQUIREMENT

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Responsive to the Office Action dated June 20, 2006, Applicants hereby elect Group I, as defined on page 2 of the Office Action (directed to a method). This election is made with traverse, at least because the Examiner has not even alleged that an undue searching burden would be required in examining the full scope of the claims.

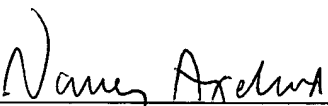
In any case, Applicants request that the claims of Group II (reaction mixtures present during the performance of the method) and/or Group III (kit used to perform the method) be rejoined to the claims of Group I once those claims are deemed to be allowable, provided that the

claims in Groups II and III are commensurate in scope with the allowed claims in Group I per the *In re Ochiai*, 37 USPQ 2d 1127 (Fed. Cir. 1995) and *In re Brouwer*, 37 USPQ2d 1663 (Fed. Cir. 1996) decisions, and MPEP 821.04.

No fee is believed to be due with this response. However, the Commissioner is hereby authorized to charge any fees association with this response or credit any overpayment to Deposit Account No. 22-0261, citing Docket No. 31978-201641.

Respectfully submitted,

Date: July 20, 2006



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